

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---------------------------|------------------|---------|---------------------|
| L11 | 1814 | 436/180.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/20 10:43 |
| L12 | 86 | L11 and (dielectrophore\$3 or ((cell or particle or bead) adj sort\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/20 10:44 |
| S1 | 2 | ("6432630" "6685812"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 12:22 |
| S2 | 1 | "6524456".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 12:22 |
| S3 | 1 | "7118711".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 12:49 |
| S4 | 9 | ("20020058332" "5120511" "5304487" "5441597" "5534328" "5585011" "5690763" "5962081" "6117396"). PN. OR ("7118711").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 12:49 |
| S5 | 0 | "08700395" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 12:53 |
| S6 | 142 | (fiedler-stefan, voigt- andreas, schnelle-thomas, fuhr-guenter, mueller- torsten, hagedorn-rolf, hornung-jan, glasser- hennig, wagner-bernd).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 12:58 |
| S7 | 0 | (parce-john and kopf-sill- anne and bousse-luc).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 13:03 |
| S8 | 26 | (parce-john, kopf-sill-anne, bousse-luc).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 13:03 |
| S9 | 2 | "20040040848" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 13:14 |
| S10 | 1 | "6749736".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 13:29 |
| S11 | 46 | (ostergaard-steen, blankenstein-gert).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 13:34 |
| S12 | 0 | "2002088712".PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 13:37 |
| S13 | 1 | "20020088712".PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/03 13:37 |
| S21 | 906 | optical adj tweezer | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/03 14:16 |
| S22 | 12 | (optical adj tweezer) with (hold\$3 or immobiliz\$3) adj (cell or particle)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/03 14:17 |

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|-----|-----|--|---|----|-----|---------------------|
| S23 | 84 | (optical adj tweezer) with ((hold\$3 or immobiliz\$3 or trap\$4) adj (cell or particle)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/03 14:37 |
| S24 | 28 | S23 not microfluidic | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/03 14:38 |
| S25 | 56 | S23 not S24 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/03 14:38 |
| S26 | 32 | S25 and @ad<"20030509" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/03 14:39 |
| S27 | 1 | "6159749".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/03 14:52 |
| S28 | 27 | evotec-technologies-\$.as. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 15:06 |
| S29 | 4 | ("20020088712" "20020181837" "6432630" "6685812"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 15:40 |
| S30 | 0 | WO-02/38262-.did. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 15:47 |
| S31 | 0 | WO-02/38262-.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/23 15:47 |
| S32 | 0 | WO02/38262-.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/23 15:48 |
| S33 | 0 | WO0238262-.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/23 15:48 |
| S34 | 0 | WO200238262-.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/23 15:48 |
| S35 | 893 | (particle or cell or bead) with (suspend\$3 or immobiliz\$3) with (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 16:01 |

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|-----|--------|--|------------------------|----|-----|------------------|
| S36 | 2897 | (particle or cell or bead) with (suspend\$3 or immobiliz\$3 or hold\$3) with (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 16:04 |
| S37 | 166566 | (potential or voltage) near2 (minimum or line) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 16:06 |
| S38 | 303 | S36 and S37 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 16:06 |
| S40 | 6274 | (particle or cell or bead) with (suspend\$3 or immobiliz\$3 or hold\$3) with (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/23 16:07 |
| S41 | 195060 | (potential or voltage) near2 (minimum or minima or line) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/23 16:07 |
| S42 | 401 | S40 and S41 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/23 16:07 |
| S43 | 202 | S42 and @ad<"20030509" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 16:07 |
| S44 | 93 | S43 not semiconductor.ti. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 16:10 |
| S45 | 181 | S42 not (semiconductor or capacitor).ti. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 16:14 |
| S46 | 91 | S45 not S44 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 16:15 |
| S47 | 17967 | (particle or cell or bead) with (suspend\$3 or immobiliz\$3 or hold\$3 or position\$3 or held) with (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/23 17:05 |
| S48 | 162894 | ((dielectric\$2 with cage) or (curv\$3 with field with barrier) or (park with electrode) or electrode) with (particle or cell or bead) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/23 17:11 |
| S49 | 3340 | S47 and S48 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/23 17:11 |
| S50 | 2782 | S49 not (semiconductor or capacitor).ti. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 17:12 |
| S51 | 2639 | S49 not ((semiconductor or capacitor).ti. or (semiconductor or capacitor).ab.) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/23 17:13 |
| S52 | 1 | "7300793".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/24 08:04 |
| S53 | 653 | (dielectrophore\$3 with cell) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 09:05 |

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|-----|-------|---|---------------------------|----|----|---------------------|
| S54 | 214 | (dielectrophore\$3 with cell) same (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 09:05 |
| S55 | 89 | S54 and @ad<"20030509" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 09:06 |
| S56 | 1 | "6592821".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 10:07 |
| S58 | 1 | S56 and (dielectrophore\$7 or optic\$6 or magnet\$6) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 10:19 |
| S59 | 1 | "6071394".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 11:06 |
| S60 | 1 | "6790330".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 11:16 |
| S61 | 0 | lock-gary-michael.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 11:18 |
| S62 | 1 | lock-gary-\$.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 11:19 |
| S63 | 13 | lock-michael-\$.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 11:19 |
| S64 | 1 | "20030159932" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 11:23 |
| S70 | 1375 | (cell) with (suspension or suspend\$3) with (magnetic \$5) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 12:50 |
| S71 | 1669 | (cell) with (suspension or suspend\$3) with (optic\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 12:50 |
| S72 | 2999 | (cell) with (suspension or suspend\$3) with (magnetic \$5 or optic\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 12:50 |
| S73 | 13174 | (cell) with (suspension or suspend\$3 or immobiliz\$3 or hold\$3 or position\$3 or held) with (magnetic\$5 or optic\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 12:51 |
| S74 | 30489 | (particle or cell or bead) with (suspension or suspend\$3 or immobiliz\$3 or hold\$3 or position\$3 or held) with (magnetic\$5 or optic\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 12:51 |
| S76 | 0 | (cell) with (suspension or suspend\$3) with (magnetic \$5) with (channel or microchannel or conduit) with (wash\$3 or rins\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 12:53 |
| S77 | 18 | (cell) with (suspension or suspend\$3) with (magnetic \$5) with (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 12:54 |

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|-----|----|---|---------------------------|------|-----|---------------------|
| S78 | 14 | (bead) with (suspension or suspend\$3) with (magnetic \$5) with (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 13:04 |
| S79 | 98 | (particle) with (suspension or suspend\$3) with (magnetic\$5) with (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 13:12 |
| S80 | 13 | (optical adj tweezer) with ((hold\$3 or immobiliz\$3 or suspend\$3) adj (cell or particle or bead)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/24 13:58 |
| S81 | 27 | evotec-technologies-\$ as. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/24 14:27 |
| S82 | 0 | S81 and cytocon | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/24 14:27 |
| S83 | 2 | (stop flow kinetics cell) | US-PGPUB; USPAT; USOCR | WITH | ON | 2009/04/24 14:59 |
| S84 | 1 | "20030159932" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/27 10:16 |
| S85 | 25 | (US-20040040848-\$ or US-20030108452-\$ or US-20020088712-\$ or US-20020181837-\$ or US-20070020767-\$ or US-20060240964-\$ or US-20060289341-\$ or US-20060024802-\$ or US-20020121443-\$ or US-20030022393-\$ or US-20030159932-\$).did. or (US-7118711-\$ or US-5948328-\$ or US-6429025-\$ or US-7070684-\$ or US-6991906-\$ or US-6749736-\$ or US-6432630-\$ or US-7300793-\$ or US-6824664-\$ or US-6592821-\$ or US-6071394-\$ or US-6790330-\$ or US-5993740-\$ or US-7276207-\$).did. | US-PGPUB; USPAT | OR | OFF | 2009/04/27 15:07 |
| S86 | 21 | S85 and (voltage or potential) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/27 15:07 |
| S87 | 7 | S85 and ((voltage or potential) with (minimum or minima or line)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/27 15:08 |

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|-----|----|---|----------------------------|----|-----|---------------------|
| S88 | 25 | (US-20040040848-\$ or US-20030108452-\$ or US-20020088712-\$ or US-20020181837-\$ or US-20070020767-\$ or US-20060240964-\$ or US-20060289341-\$ or US-20060024802-\$ or US-20020121443-\$ or US-20030022393-\$ or US-20030159932-\$).did. or (US-7118711-\$ or US-5948328-\$ or US-6429025-\$ or US-7070684-\$ or US-6991906-\$ or US-6749736-\$ or US-6432630-\$ or US-7300793-\$ or US-6824664-\$ or US-6592821-\$ or US-6071394-\$ or US-6790330-\$ or US-5993740-\$ or US-7276207-\$).did. | US-PGPUB; USPAT | OR | OFF | 2009/04/28 09:35 |
| S89 | 2 | S88 and (potential adj (minimum or minima)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 09:36 |
| S90 | 2 | (field adj barrier) same (potential adj (minimum or minima)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 09:41 |
| S91 | 0 | (field adj barrier) same (potential adj (minimum or minima)) | FPRS; EPO; JPO; DERWENT | OR | OFF | 2009/04/28 09:41 |
| S92 | 0 | (field adj barrier) same (potential adj (minimum or minima)) | FPRS; EPO; JPO; DERWENT | OR | ON | 2009/04/28 09:42 |
| S93 | 2 | (field adj barrier) same (potential adj (minimum or minima)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 09:42 |
| S94 | 1 | hexode same (potential adj (minimum or minima)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 09:43 |
| S95 | 24 | (field adj barrier) same narrow | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 09:44 |
| S96 | 4 | ((field adj barrier) same narrow) and dielectrophore \$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 09:44 |
| S97 | 15 | ("20020175079" "3197394" "3674198" "4326934" "4726904" "4764473" "4804355" "4941969" "5489506" "5565105" "5593665" "5814200" "5858192" "5888370").PN. OR ("7070684").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 09:53 |
| S98 | 0 | S97 and (field adj barrier) same narrow | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 10:10 |

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|------|--------|---|---------------------------|----|-----|---------------------|
| S99 | 0 | S97 and (potential adj (minimum or minima)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 10:10 |
| S100 | 25 | holding same (potential adj (minimum or minima)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 10:11 |
| S101 | 3 | (gunther-ralf, gradl-gabrielle).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 10:47 |
| S102 | 21 | (gunther-rolf, gradl-gabriele).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 10:49 |
| S103 | 3 | S102 and ((field adj barrier) or (potential adj (minim\$2))) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 10:50 |
| S104 | 2 | S103 and hold\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 10:56 |
| S105 | 9 | ("4578167" "4894343" "4970154" "6056861"). PN. OR ("6492175").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:04 |
| S106 | 1 | S105 and ((field adj barrier) or (potential adj (minim\$2))) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 11:06 |
| S107 | 2897 | (particle or cell or bead) with (suspend\$3 or immobiliz\$3 or hold\$3) with (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:15 |
| S108 | 166662 | (potential or voltage) near2 (minimum or line) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:15 |
| S109 | 303 | S107 and S108 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:15 |
| S110 | 155 | S109 and @ad<"20030509" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:15 |
| S111 | 2044 | dielectrophore\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:18 |
| S112 | 439561 | (potential or voltage) with (minim\$2 or line) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 11:19 |
| S113 | 483 | S111 and S112 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 11:19 |
| S114 | 210 | S113 and @ad<"20030509" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:20 |
| S115 | 6275 | (particle or cell or bead) with (suspend\$3 or immobiliz\$3 or hold\$3) with (channel or microchannel or conduit) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 11:21 |
| S116 | 9 | S115 and S114 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:21 |
| S117 | 126 | S114 and (particle or cell or bead) with (suspend\$3 or immobiliz\$3 or hold\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 11:22 |
| S118 | 107050 | (potential or voltage) with minim\$2 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 11:26 |

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|------|-----|--|---------------------------|------|-----|---------------------|
| S119 | 176 | S111 and S118 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 11:26 |
| S120 | 80 | S119 and @ad<"20030509" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:26 |
| S121 | 1 | S115 and S120 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:26 |
| S122 | 97 | hexode with electrode | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 11:36 |
| S123 | 21 | S122 and @ad<"20030509" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 11:36 |
| S124 | 0 | dielectrical field cage six electrode | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/04/28 12:39 |
| S125 | 1 | dielectrical field cage eight electrode | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/04/28 12:39 |
| S126 | 1 | dielectrical field cage hexode | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/04/28 12:40 |
| S127 | 25 | (US-20040040848-\$ or US- 20030108452-\$ or US- 20020088712-\$ or US- 20020181837-\$ or US- 20070020767-\$ or US- 20060240964-\$ or US- 20060289341-\$ or US- 20060024802-\$ or US- 20020121443-\$ or US- 20030022393-\$ or US- 20030159932-\$).did. or (US-7118711-\$ or US- 5948328-\$ or US-6429025- \$ or US-7070684-\$ or US- 6991906-\$ or US-6749736- \$ or US-6432630-\$ or US- 7300793-\$ or US-6824664- \$ or US-6592821-\$ or US- 6071394-\$ or US-6790330- \$ or US-5993740-\$ or US- 7276207-\$).did. | US-PGPUB; USPAT | OR | OFF | 2009/04/28 14:08 |
| S128 | 22 | S127 and (reference or standard) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 14:09 |
| S129 | 143 | dielectrophore\$3 same ((cell or particle or bead) with (reference or standard)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 14:23 |
| S130 | 47 | dielectrophore\$3 same ((cell or particle or bead) with (reference or standard)) same (measure \$4 or determin\$5 or quanti \$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 14:24 |

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|------|-------|---|------------------------|----|-----|------------------|
| S131 | 14 | dielectrophore\$3 same (cell or particle or bead) with (reference or standard)) same (measure \$4 or determin\$5 or quanti \$4) same (cage or hold\$3 or trap\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 14:27 |
| S132 | 1697 | (cell with sort\$3) with (standard or reference) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 14:37 |
| S133 | 31494 | flow with cytometry | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 14:38 |
| S134 | 805 | S132 and S133 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 14:38 |
| S135 | 24 | S134 and dielectrophore\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 14:38 |
| S136 | 4 | ("20020088712" "20020181837" "6432630" "6685812"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/04/28 14:44 |
| S137 | 2 | S136 and (standard or reference) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/28 14:44 |
| S138 | 25 | wada-h-garrett.in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/18 11:11 |
| S139 | 71 | ("4390403" "4793705" "4844610" "4908112" "5126022" "5498392" "5571410" "5585069" "5587128" "5593838" "5603351" "5608519" "5635358" "5637469" "5699157" "5739902" "5750015" "5779868" "5800690" "5842787" "5852495" "5858187" "5869004" "5876675" "5879625" "5880071" "5882465" "5885470" "5942443" "5948227" "5955028" "5957579" "5958203" "5958694" "5959291" "5964995" "5965001" "5965410" "5972187" "5972622" "5972710" "5976336" "5989402" "6001231" "6004515" "6011252" "6012902" "6042710" "6046056" "6049380" "6068752" "6071478" "6074725" "6080295" "6120666" "6150119" "6267858" "6607157"). PN. OR ("6506609").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/18 13:12 |

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|------|----|---|---------------------------|----|-----|---------------------|
| S140 | 2 | S139 and dielectrophore\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/18 13:13 |
| S141 | 44 | ("20020058332" "20020176069" "20030032204" "20030047676" "20030186426" "20050061962" "20050121604" "20060152707" "3649829" "3960449" "4325706" "4409106" "4424132" "4660971" "4667830" "5007732" "5100627" "5180065" "5194909" "5229297" "5483469" "5620857" "5674743" "5800690" "5837115" "5849178" "5879625" "5966457" "6053856" "6071422" "6368871" "6432630" "6451264" "6506609" "6524860" "6637463" "6727451" "6815664" "6833542" "6838056" "6944324" "7029430" "7241988" "H001960"). PN. OR ("7402131").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/18 13:28 |
| S142 | 9 | S141 and dielectrophore\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/18 13:28 |
| S143 | 1 | "6071394".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/18 13:37 |
| S144 | 25 | (US-20040040848-\$ or US- 20030108452-\$ or US- 20020088712-\$ or US- 20020181837-\$ or US- 20070020767-\$ or US- 20060240964-\$ or US- 20060289341-\$ or US- 20060024802-\$ or US- 20020121443-\$ or US- 20030022393-\$ or US- 20030159932-\$).did. or (US-7118711-\$ or US- 5948328-\$ or US-6429025- \$ or US-7070684-\$ or US- 6991906-\$ or US-6749736- \$ or US-6432630-\$ or US- 7300793-\$ or US-6824664- \$ or US-6592821-\$ or US- 6071394-\$ or US-6790330- \$ or US-5993740-\$ or US- 7276207-\$).did. | US-PGPUB; USPAT | OR | OFF | 2009/05/18 16:33 |

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|------|----|--|---------------------------|----|-----|---------------------|
| S145 | 13 | S144 and deflect\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/18 16:34 |
| S146 | 4 | S144 and (deflect\$3 with (high or frequency)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/18 16:35 |
| S147 | 8 | S144 and (field with barrier) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/18 17:16 |
| S148 | 25 | (US-20040040848-\$ or US- 20030108452-\$ or US- 20020088712-\$ or US- 20020181837-\$ or US- 20070020767-\$ or US- 20060240964-\$ or US- 20060289341-\$ or US- 20060024802-\$ or US- 20020121443-\$ or US- 20030022393-\$ or US- 20030159932-\$).did. or (US-7118711-\$ or US- 5948328-\$ or US-6429025- \$ or US-7070684-\$ or US- 6991906-\$ or US-6749736- \$ or US-6432630-\$ or US- 7300793-\$ or US-6824664- \$ or US-6592821-\$ or US- 6071394-\$ or US-6790330- \$ or US-5993740-\$ or US- 7276207-\$).did. | US-PGPUB; USPAT | OR | OFF | 2009/05/19 08:39 |
| S149 | 7 | S148 and ((funnel or barrier) with channel) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/19 08:39 |
| S150 | 25 | (US-20040040848-\$ or US- 20030108452-\$ or US- 20020088712-\$ or US- 20020181837-\$ or US- 20070020767-\$ or US- 20060240964-\$ or US- 20060289341-\$ or US- 20060024802-\$ or US- 20020121443-\$ or US- 20030022393-\$ or US- 20030159932-\$).did. or (US-7118711-\$ or US- 5948328-\$ or US-6429025- \$ or US-7070684-\$ or US- 6991906-\$ or US-6749736- \$ or US-6432630-\$ or US- 7300793-\$ or US-6824664- \$ or US-6592821-\$ or US- 6071394-\$ or US-6790330- \$ or US-5993740-\$ or US- 7276207-\$).did. | US-PGPUB; USPAT | OR | OFF | 2009/05/19 11:47 |
| S151 | 6 | S150 and (field with barrier) with (hold\$3 or cag \$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/19 11:47 |

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|------|-----|---|------------------------|----|-----|------------------|
| S152 | 25 | (US-20040040848-\$ or US-20030108452-\$ or US-20020088712-\$ or US-20020181837-\$ or US-20070020767-\$ or US-20060240964-\$ or US-20060289341-\$ or US-20060024802-\$ or US-20020121443-\$ or US-20030022393-\$ or US-20030159932-\$).did. or (US-7118711-\$ or US-5948328-\$ or US-6429025-\$ or US-7070684-\$ or US-6991906-\$ or US-6749736-\$ or US-6432630-\$ or US-7300793-\$ or US-6824664-\$ or US-6592821-\$ or US-6071394-\$ or US-6790330-\$ or US-5993740-\$ or US-7276207-\$).did. | US-PGPUB; USPAT | OR | OFF | 2009/05/19 13:43 |
| S153 | 13 | S152 and perpendicular\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/19 13:43 |
| S154 | 2 | S152 and (barrier with perpendicular\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/19 13:47 |
| S155 | 3 | S152 and ((cag\$3 or hold \$3) same perpendicular\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/19 14:54 |
| S156 | 247 | dielectrophore\$3 and ((barrier or field) with perpendicular\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/19 15:45 |
| S157 | 256 | dielectrophore\$3 and ((barrier or field) with linear\$2) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/19 15:46 |
| S158 | 53 | S156 and S157 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/19 15:46 |
| S159 | 26 | S158 and @ad< "20030509" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/19 15:47 |
| S160 | 26 | S158 and @ad< "20030510" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/19 15:50 |
| S161 | 45 | S158 and @ad< "20060920" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/19 15:50 |
| S162 | 5 | dielectrophore\$3 and ((barrier or field) with (linear\$2 or perpendicular \$3) with (hold\$3 or cag \$3)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/19 15:57 |
| S163 | 1 | "5993630".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/19 16:16 |

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